

Application Serial No. 10/501,043
Reply to Office Action of May 8, 2007

PATENT
Docket: CU-3831

REMARKS/ARGUMENTS

Prior to this amendment, claims 115-170 were pending.

By this amendment, claims 115-170 are cancelled and replaced by new claims 171 - 226.

The applicant's revisions to the subject matter of claims 115-170 were extensive. The undersigned representative of the applicant believes that amending claims 115-170 as required by 37 C.F.R. §1.121 and then submitting them for re-examination would have exacerbated the Examiner's task as compared to the examination of new claims.

The pending claim count has not changed. There is one independent claim and 55 total claims.

Regarding new Claim 171, the wording "predictable connectivity and bandwidth" is believed to be precise and replaces the previously used words "sufficient connectivity and bandwidth" and is considered by the inventor to reflect the meaning contained in paragraph 0013 of the description.

The new wording, "transponder output control" is considered by the inventor to be a precise description of the intended meaning of the previously used "signal level adaptation" which appears in the description in paragraphs 0027, 0072, 0073.

The wording "...conditioning of.... is systematic and distributed" is considered by the inventor to be a precise description of the previous wording "comprehensive and global".

The wording "predictable connectivity and bandwidth" is considered by the inventor to be a precise description of the previously used "sustainable connectivity". Likewise, "stable and predictable frequency band limited transfer properties and noise

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properties" is considered by the inventor to be a precise description of the intended meaning of the previously used adjectives "stable and consistent".

The words "quenched regenerative signal processing gain" is considered by the inventor to be a precise description of the intended meaning of the previously used words "superregenerative or analogous, switched regenerative amplifier" where the latter were supposed to include indication of the fact that a superregenerative circuit and a quenched amplifier are two identical principles.

Regarding new claim 195, the applicant contends that grounds for the amendment to claim 195 has basis in paragraph 0064. That text is alleged to state that: "transmission line 440 performing as a wave guide with open surface, a so called Lecher Wire where, the wave when, having a short wavelength, is kept trapped near the wire and experiencing low attenuation and can be excited and tapped using known methods". Related teaching in the description is also paragraph 60 about "cascaded gain" and paragraph 63 about "single wire excitation". In paragraph 0013 the object of "facilitating long range communication when otherwise impossible" is also relevant teaching. Generally, the description also has frequent mention of "large bandwidth" which is also closely related to the amended claim 139. In the amended claim 139 "Lecher" is omitted even though the principle with Lecher wires is identical in that the wave travels independently on each, single wire as long as the wavelength is short and wire spacing is wide as with microwave measurements. The embodiment of the invention is also depicted in figure 8, 440 showing a single wire with two reflector excitors (microwave antennas).

The applicant contends that new claim 182 finds grounds in various parts of the

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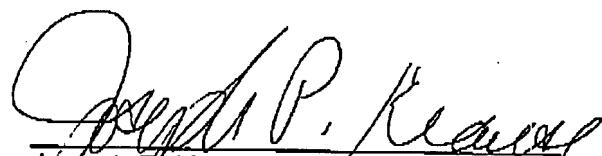
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description, among them paragraph 0036 and 0031.

The applicant submits that the common, international designations for high, medium and low voltage on power grids and power distribution systems are high voltage= above 50kV, medium voltage= above 1kV and below 50 kV, low voltage= below 1kV. High voltage also has subdivisions.

Reconsideration of the pending claims is respectfully requested.

Sincerely,



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